

1/2

FIG. 1

		Working	Working	Working	Working	Working	Working	Comparative	Comparative
/		Example Sample Fx	Example Sample	Example Sample	ExampleSample	Example Sample	Example Sample	Example Comparative	emple Sample Example Sample Example Sample Example Sample Example Sample Example Comparative Example Comparative
		1	, 2	3	4	. 5	9	Sample 1	Sample 2
Properties of	Amount of particles	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
evaluated	(parts by weight)								
samples	Shape of particles	Needle-like	Needle-like	Needle-like	Needle-like	Needle-like	Needle-like	Spherical	Spherical
•	Material for particles	Wollastonite	Wollastonite	Wollastonite	Wollastonite	Wollastonite	Wollastonite	Silica	Silica
	Particle hardness	4.5	4.5	4.5	4.5	4.5	4.5		
	(Mohs hardness)								
	Average grain size	4	8	13	12	20	40	10	10
	(mm)								
-	Average particle length	12	40	84	264	360	640	10	01
	(mm)								
	Particle content (wt.%)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Coating thickness (µm)	20	20	20	20	20	20	20	13
Evaluation results Ease of coating	Ease of coating	5	5	5	5	4	3	5	5
	Ease of cutting Test A	2	3	4	4	4	4	1	3
	Adhesive strength	5	5	\$	5	5	5	5	
	Overall evaluation	△ (12)	(13)	(14)	(14)	(13)	△ (12)	× (11)	(6) ×
Parameters	Parameter 1	0	0	0	0	0	0	×	×
	Parameter 2	×	×	×	×	×	×	×	×
	Parameter 3	×	△ (lower)	0	0	△ (upper)	×	×	×
	Parameter 4	0	0	0	0	0	0	×	×

FIG. 2

 Working-ExampleSample
 In the sample Sample
 In the sample Sample 6.5 10 348 Needle-like O(13)Glass lololo × 348 3.0 Needle-like △ (upper) (14) Glass 0 0 348 10 5.5 0.5 1 2 Needle-like △ (lower) © (14) Glass 0 0 348 0.7 20 10 Needle-like (B) (B) × Glass 348 2.2 Needle-like (15) Glass 2.2 2.2 2.0 2.0 Needle-like Wollastonite \triangle (12) 0 ×lolo Amount of particles (parts by weight) Particle hardness (Mohs hardness) Average particle length (µm)
Particle content (wt.%) Average grain size (µm) Coating thickness (µm) Ease of coating

Ease of cutting Test B Shape of particles Material for particles Overall evaluation Adhesive strength Parameter 3 Parameter 2 Parameter 4 Parameter 1 Properties of evaluated samples Evaluation results **Parameters**